CARLETON UNIVERSITY

Ottawa, Ontario

119th Convocation

Friday, June 14, 2002

2002 Spring Convocation

Convocation at Carleton University — 2

Friday, June 14, 10:00 a.m.

Honorary Degree Recipient John P. Morgridge — 4

Order of Proceedings — 5
Doctor of Philosophy from the Faculty of Engineering and Design;
Master of Applied Science; Master of Engineering; Master of Architecture;
Bachelor of Engineering; Bachelor of Architecture; Bachelor of Architectural Studies;
Bachelor of Industrial Design

Friday, June 14, 2:00 p.m.

Honorary Degree Recipient Alois A. Raffler — 14

Honorary Degree Recipient Richard M. Karp — 15

High School Teaching Award Recipient Guy Beaudoin — 16

Order of Proceedings — 17
Doctor of Philosophy from the Faculty of Science and the School of Computer Science;
Master of Science; Master of Computer Science; Bachelor of Science (Honours)
and Bachelor of Science; Bachelor of Mathematics (Honours) and Bachelor of Mathematics;
Bachelor of Computer Science (Honours)

Medallists in the Graduating Class — 28

Convocation at Carleton University

The Convocation ceremony (the calling together of the academic assembly) has its roots in university traditions of medieval Europe.

The Mace

The mace is a staff symbolizing authority. In the days of knighthood, it was a weapon, but after the 16th century it became solely a symbol of authority carried by a distinguished member of an assembly. It is used on ceremonial occasions to signify the right of an individual or institution to perform a certain function—in the case of universities, to grant degrees.

At Convocation, the mace is carried ahead of the Chancellor as he enters and leaves each ceremony. During the ceremony the mace is displayed on a special stand as an embodiment of the authority of the University.

Carleton's mace was presented to the University in 1976 as a gift from the Chair of the Board of Governors at that time, Mr. Hyman Soloway. It is a silver-plated staff approximately three feet long. At the upper end there is a bowl marked with the University's coat of arms and the University motto in both Latin and English— "Opera Nobis Aeterna" and "Ours the Task Eternal." From the upper portion of the bowl rises a phoenix. Traditional oak leaves surround the lower end of the staff.

Coat of Arms

The coat of arms was presented to the University by His Excellency The Right Honourable Ramon John Hnatyshyn, Governor General of Canada, on November 15, 1992, as part of Carleton's 50th anniversary celebrations. It is described in heraldic terms as follows: "Sable a maple leaf Gules irradiated and charged with an open book Argent; And for a Crest: on a wreath Argent Sable and Gules a Phoenix Gules quilled and beaked Or issuing from flames proper; And for a Motto: Ours the Task Eternal; And for Supporters: on a grassy mount on either side a raven Sable beaked and membered or armed Gules."

The open book on the maple leaf signifies that Carleton University is in the nation's capital and that learning is open to all who wish to partake of it. The phoenix, the legendary eternal bird, symbolizes the renewing of learning from older foundations, in recognition of Henry Marshall Tory's role in the founding of the University when he was 78 years old. "Ours the Task Eternal" is taken from a Walt Whitman poem entitled "Pioneers" and ties in with the eternal quality of the phoenix.

And so, the Carleton University coat of arms symbolizes sound learning, good citizenship, and the highest hopes of humanity.

The Diploma

The diploma the graduates receive at Convocation is the certificate of qualification which publishes the fact that the student has fulfilled all the requirements and completed the prescribed course of study for the degree. As the senior academic legislative body of the University, it is the Senate which has determined whether the requirements have been met. The signatures of both the Chancellor and the President of the University appear on the diploma: the Chancellor because of his role in conferring the degree, and the President who, as Chair of Senate, certifies that Senate has enacted the required motion to award the degree. The Seal of the University is affixed to the diploma as a mark of authentication.

Academic Dress

The academic dress of Carleton University results from a compromise between that found in the ancient foundations of Britain and Canada and the American Intercollegiate Code. All three hoods—bachelor's, master's, and doctor's—are of the simple or Oxford shape. The bachelor's hood is made of black stuff; the master's and doctor's are made of black silk and all are lined with silver silk with two chevrons, one of red and one of black. From bachelor's to doctor's, the hoods are progressively longer and opened to show more and more of the lining.

The velvet border of the hoods denotes the degrees granted according to the following colour combinations: applied science is orange with a black cord sewn slightly in from the lower border; architecture is cerise; architectural studies is cerise with a black cord sewn slightly in from the lower border; arts is white; commerce is camel brown; computer science is royal blue; engineering is orange; humanities is white with a red cord sewn slightly in from the lower border; industrial design is dark cardinal; international business is camel brown with a red cord sewn slightly in from the lower border; journalism is white with a black cord sewn slightly in from the lower border; management studies and business administration is camel brown with a black cord sewn slightly in from the lower border; mathematics is hunter green; music is venetian pink; public administration is peacock blue; science is golden yellow; social work is cream; and doctor of philosophy is purple.

The master's and bachelor's gowns, to be worn with the above hoods, are of full length, made of black stuff, with a gathered yoke behind, and long open-fronted sleeves. The doctoral gown is of full-style, made of fine royal blue cloth with facings of light blue silk, with a full gathered yoke behind, and closed sleeves with an opening at the elbows.

The two shades of blue in the doctoral gown are those of the United Nations, and are meant to recognize the University's long-standing interest, from its earliest years, in international affairs and issues. The colours were chosen when the University awarded its first honorary degree, in 1954, to the second Secretary General of the United Nations, the late Dag Hammarskjöld. The tradition of awarding honorary degrees to Secretaries General of the United Nations has continued since that time.

The gown of the honorary Doctor of Laws, Literature, Music, Science, Engineering, Architecture or Fine Arts is a full robe with bell-shaped sleeves. It is made of fine royal blue cloth with facings and sleeves in light blue silk. The hood is made of the same material as the gown, has the same lining as that for the degrees granted by examination, and is bordered with dark mauve for the degree of Doctor of Laws; vibrant blue for the degree of Doctor of Literature; venetian pink for the degree of Doctor of Music; red for the degree of Doctor of Science; orange for the degree of Doctor of Engineering; cerise for the degree of Doctor of Architecture; and dark cardinal for the degree of Doctor of Fine Arts.

Alumni Park

Weather permitting, today's Convocation ceremonies are being held outdoors in Alumni Park which was dedicated in 1992, at the initiative of the Carleton University Alumni Association, to commemorate the University's 50th anniversary. The arbour under which the Chancellor, the President and Vice-Chancellor, the representative of the Board of Governors, and the faculty are seated is a generous gift from the Association. It provides a permanent stage for Carleton's Convocation ceremonies and other events such as theatrical productions, concerts, and the like. Future plans for the Park include an enhancement of the existing fountain area with the construction of a plaza and landscaping to open up views to the Rideau River.

The Presiding Officer of Convocation is the Chancellor of the University, Arthur Kroeger, C.C., M.A., LL.D.

Accompanying him on the podium are Gail Harmer Mutton, B.A., representing the Board of Governors, and Richard J. Van Loon, B.Sc., M.A., Ph.D., President and Vice-Chancellor.

Assisting the Chancellor are:

Chong H. Chan, B.Sc., M.A.Sc., Ph.D., P.Eng.
Professor of Engineering
Clerk of Senate
and Marshal of Convocation

Brian C. Mortimer, B.Sc., M.Sc., Ph.D.
Associate Professor of Mathematics
Associate Dean of the Faculty of Science
and Associate Marshal of Convocation

Fred F. Afagh, B.Sc., M.Sc., Ph.D., P.Eng.
Professor of Engineering
and Beadle of Convocation

Y. Aleksandra Bennett, M.A., Ph.D.
Associate Professor of History
and Beadle of Convocation

John Blenkinsop, B.Sc., M.Sc., Ph.D.
Associate Professor of Earth Sciences
and Beadle of Convocation

Robert C. Burk, B.Sc., M.Sc., Ph.D.
Associate Professor of Chemistry
and Beadle of Convocation

Pascale Champagne, B.Sc., B.Eng., M.Eng., Ph.D.
Assistant Professor of Engineering
and Beadle of Convocation

F. Gerald Oakham, B.Sc., M.Sc., Ph.D.
Professor of Physics
and Beadle of Convocation

Cathy Pearen
Deputy Clerk of Senate and Ceremonials Officer

Also assisting at Convocation:

Carol Corkran
Acting Assistant Dean/Registrar
Faculty of Graduate Studies and Research

Donald L. Russell, B.Eng., M.S., Ph.D., P.Eng.
Associate Professor of Engineering
Associate Dean
Faculty of Engineering and Design

Lisa Ralph
Acting Assistant Dean of Students and Registrar,
Faculty of Science and School of Computer Science

June Drayton-Callendar, B.S.Sc., G.C.C.R.
Christina Farago
Glendy Wong, B.A.
Registrar's Office, Faculty of Graduate Studies and Research

Heather Lupton, B.Sc.
Paddy Mark, B.A.
Mary Orser
Registrarial Services, Faculty of Science and School of Computer Science

Angel Garrett, B.Sc., B.A.
Marlene Groves
Registrarial Services, Faculty of Engineering and Design

Dotty Guoti, B.A.
Monika St. Jean
Records and Registration Services

Pamela Mallon
Trapp Zaluska
Office of the President

Allister Hain, B.A., M.A.
Nanci Jolicoeur
Lin Moody, B.J., M.A.
Rosemary Patterson
MaryAnne Pomainville
University Communications

Margo Thomas
Senate Office

Honorary Degree Recipient

John P. Morgridge

John P. Morgridge, B.B.A., M.B.A., Chair of the Board, Cisco Systems Inc., will be awarded the degree of Doctor of Laws, *honoris causa*, at the morning ceremony on Friday, June 14, "in recognition of outstanding contribution to entrepreneurialism and management strategies in the high technology industry."

Order of Proceedings
Friday, June 14, 10:00 a.m.

Chancellor Arthur Kroeger, C.C., M.A., LL.D., presiding.

(The audience is requested to stand when the Academic Procession arrives, to remain standing until 'O Canada' has been sung, and at the conclusion of the ceremony to remain until the Academic Procession has left.)

Processional Music
John Robert Coghill Jr., B.Mus. (bagpipes)
Garry Matthews (snare drum)
Craig Moffatt (bagpipes)

O Canada*
(the audience is invited to sing)

Welcome by the Master of Ceremonies
Feridun Hamdullahpur, B.Eng., M.Eng., Ph.D., P.Eng.
Vice-President (Research)

Conferring of the
Degree of Doctor of Laws, *honoris causa*, upon
John P. Morgridge, B.B.A., M.B.A.
(presented by Samy Mahmoud, B.Sc., M.Eng., Ph.D., P.Eng.,
Professor of Engineering, and Dean of the Faculty of Engineering and Design)

Convocation Address
John P. Morgridge

Conferring of Degrees by Examination

Warrant
Chong H. Chan, B.Sc., M.A.Sc., Ph.D., P.Eng.
Clerk of Senate

Awarding of Medals

Recessional Music

O Canada

O Canada! Our home and native land!

True patriot love in all thy sons command.

With glowing hearts we see thee rise,

The True North strong and free!

From far and wide, O Canada,

We stand on guard for thee.

God keep our land glorious and free!

O Canada, we stand on guard for thee.

O Canada, we stand on guard for thee.

Recipients of Degrees

Doctor of Philosophy

(presented by Professor A.G. Razaqpur, Associate Dean of the Faculty of Graduate Studies and Research)

Degrees conferred at Spring Convocation are awarded by Senate in March and in June. Degrees awarded in March are denoted by an asterisk (*).

---

* Farid Alfawakhiri
B.Sc. (Moscow Civil Engineering Institute, Russia), M.A.Sc. (Ottawa)
Civil Engineering
Behaviour of Cold-Formed-Steel-Framed Walls and Floors in Standard Fire Resistance Tests
Supervisors: J. Salinas and J. Mehaffey

Mostafa Seleem Amin Abdel Zaher
B.Sc., M.Sc. (Military Technical College, Egypt)
Civil Engineering
An Integrated Vibration-Based Structural Health Monitoring System
Supervisors: J. Humar and Y. Soucy

* Joanne Kelly Pagani
B.Eng. (Carleton)
Civil Engineering
Developing a Framework for a National Strategy for Baggage Handling at Airports
Supervisors: A.O. El Halim and S. Easa

* Ahmed Fahmy Farag Tolba
B.Sc., M.Sc. (Military Technical College, Egypt)
Civil Engineering
Response of FRP-Retrofitted Reinforced Concrete Panels to Blast Loading
Supervisor: A.G. Razaqpur

László Házy
B.Sc. (Polytechnic Institute of Bucharest, Romania), M.Eng. (Carleton)
Electrical Engineering
Performance of the Multicarrier Direct Sequence Spread Spectrum Uplink in the Presence of Frequency and Timing Synchronization Errors
Supervisor: M. El-Tanany

Ryan P. MacDonald
B.Sc. (St. Francis Xavier), M.Eng. (Carleton)
Electrical Engineering
Components for a Low-Cost Integrated Silicon Optical Receiver
Supervisors: B. Syrett and G. Tarr

Master of Applied Science

(presented by Professor A.G. Razaqpur, Associate Dean of the Faculty of Graduate Studies and Research)

Degrees conferred at Spring Convocation are awarded by Senate in March and in June. Degrees awarded in March are denoted by an asterisk (*).

---

* Sheldon Robert Clarke
B.Eng. (Carleton)
Aerospace
Field Repair of Composite Plates Using Fibre Metal Laminates

Thor Normand Alexandre Jodoin
B.A.Sc. (Ottawa)
Aerospace
Diagonal Tension Buckling and Post-Buckling of Fibre-Metal Laminate Beams

Glen Anthony Furtado
B.Eng. (Lakehead)
Civil
Vehicle Stability on Combined Horizontal and Vertical Alignments

Yuk Ming Lam
B.Sc. (Manchester, U.K.), M.Phil. (Hong Kong, China)
Civil
A GC-Cone Penetrometer for Geoenvironmental Site Characterization

* Hasan Tahir Qureshi
B.Sc. (University of Engineering and Technology, Pakistan)
Civil
Archival and Processing of Structural Health Monitoring Data

Babak Rostami
B.Sc. (Baha'i Institute for Higher Education, Iran)
Civil
Inelastic Moment Redistribution in Multi-Girder Prestressed Concrete Simply Supported Bridges

Ashraf E. Ramzy Zaghloul
B.Sc. (Alexandria, Egypt)
Civil
Behaviour and Strength of CFRP Reinforced Flat Plate Interior Column Connections Subjected to Shear and Unbalanced Moments

Mo Zhang
B.Sc. (Beijing Polytechnic, China)
Civil
System Identification Analysis of the Dynamic Monitoring Data of the Confederation Bridge

* Imran Ahmad
B.Sc. (University of Engineering and Technology, Pakistan)
Electrical·
Performance Enhancement Techniques for CORBA-Based Systems with Limited Heterogeneity

Michel Beshara
B.Eng. (Carleton)
Electrical
Design Considerations for High Speed Clock and Data Recovery Circuits

* K. Mark Cannon
B. Math. (Waterloo)
Electrical
Modeling Nonuniform Interconnects

Christopher Andrew DeVries
B.A.Sc. (Waterloo)
Electrical
CMOS High Q-enhanced Filters for Radio Receivers

Jing Qu
B.Eng. (Beijing Information Technical Institute, China)
Electrical
A Component-based Approach to Provide IN Type of Services on IP Network

William Sitch
B.Eng. (Carleton)
Electrical
Mitigating the Effects of Cavity Resonance in Ceramic Millimetre-Wave Packages

* Van Morning Sreng
B.Eng. (Carleton)
Electrical
Coverage Enhancement Through Two-hop Relaying in Cellular Radio Systems

Yanjie Wang
B.Eng. (Sichuan Union, China)
Electrical
Tunable, Linear, G_m-C Filters

* Dongyang Zhang
B.Eng. (Chongqing, China)
Electrical
The Deployment of Features in Internet Telephony

* Lei Zhang
B.Eng. (Shanghai Institute of Mechanical Engineering, China)
Electrical
Efficient Numerical Thermal Simulation Using a Quad-Tree Mesh

* Youxiong Zhao
B.Sc. (Peking, China), M.Sc. (Institute of Modern Physics, China)
Electrical
VLSI Implementation of a 2/3 Viterbi Decoder and Noise Effects in Digital ICs

* Lorie Cummings
B.A. (McGill), B.Eng. (Carleton)
Environmental
Biodegradation of BTEX Under Electron Acceptor and Nutrient Limiting Conditions

* Cory Jason Hamelin
B.Eng. (Carleton)
Materials
Design of Lightweight Primary Mirrors for Optical Imaging Devices

* Mark Ermenc
B.Eng. (Carleton)
Mechanical
Design and Manufacture of an Experimental System for the Analysis of Splashing and Freezing Phenomena

Gang Liu
B.Eng., M.Eng. (Harbin, China)
Mechanical
Investigation of Ductile Fracture Under Tensile High Rate Loading

* Stephen Keir Roberts
B.Eng. (Carleton)
Mechanical
Effects of Fluid Properties on the Aerodynamic Performance of Turbomachinery for Semi-Closed Cycle Gas Turbine Engines Using O_2/CO_2 Combustion

Master of Engineering

(presented by Professor A.G. Razaqpur, Associate Dean of the Faculty of Graduate Studies and Research)

Degrees conferred at Spring Convocation are awarded by Senate in March and in June. Degrees awarded in March are denoted by an asterisk (*).

---

* Normand Chevalier
B.A.Sc. (Ottawa)
Civil

* Yosr O. Ismail
B.Eng. (Arab Academy for Science and Technology and Maritime Transport, Egypt)
Civil

* Shahrokh Saadati Saisan
B.Sc. (Baha'i Institute for Higher Education, Iran)
Civil

* Rony Amaya
B.Eng. (Carleton)
Electrical
The Reduction of Contact Resistance in AlGaN/GaN Heterostructure Field Effect Transistors

* Tao Chen
B.Sc., M.Eng. (Xidian, China)
Electrical

* Imad Hasan
B.Sc. (Basrah, Iraq), M.Sc., Ph.D. (Moscow State, Russia)
Electrical
Low Temperature SF_6/O_2 ECR Plasma Etching for Polysilicon Gates

* Khalid H. Siddiqui
B.Eng. (NED University of Engineering and Technology, Pakistan)
Electrical
Time/Performance Budgeting for Software Designs

* George Soccar
B.Sc. (Alexandria, Egypt)
Electrical
Regression Test Selection Based on UML Models

Hong Sun
B.Eng. (South East, China)
Electrical
Investigating the Use of Analysis Contracts to Improve the Testability of Object Oriented Code

* Hossam Medhat Abu Ramadan
B.Eng. (Arab Academy for Science and Technology and Maritime Transport, Egypt)
Mechanical

* Robin G. F. Steed
B.Eng. (Carleton)
Mechanical

Faizel Zulfikar Lakhani
B.Eng. (McMaster), M.B.A. (Ottawa)
Telecommunications Technology Management

* Bing Xu
B.Eng. (Beijing University of Posts and Telecommunications, China)
Telecommunications Technology Management

Master of Architecture

(presented by Professor A.G. Razaqpur, Associate Dean of the Faculty of Graduate Studies and Research)

Degrees conferred at Spring Convocation are awarded by Senate in March and in June. Degrees awarded in March are denoted by an asterisk (*).

Daniela Angela Sirbu
M.Sc. (Politechnica of Bucharest, Romania)
Architectural
Multi-Dimensional Spaces:
Digital Exploration of the Unbuilt

Evgeny Voutchkov
Magister (Architecture, Construction and Surveying, Bulgaria)
Digitization of the City: Application of Digital 3D Visualization and Interactive Multimedia to Generate a New Urban Experience

* Jun Zou
B.Eng., M. Arch. (Hunan, China)
Depth of the Web Interface

Bachelor of Engineering

(presented by Professor S.A. Mahmoud, Dean of the Faculty of Engineering and Design, assisted by representatives of Departments)

Degrees conferred at Spring Convocation are awarded by Senate in March and in June. Degrees awarded in March are denoted by an asterisk (*).

AEROSPACE

Tarrah Jeanette Adams

Lorne Gordon Allaby
with high distinction

L. Nadine Allan

Tariq Mahmood Ayubi
with distinction

Martine Banville
with distinction

Adrian Blenkinsop

Tricia Gail Brooker

Marie-Claude L. Cardinal
Co-operative Education
with distinction

Karen E. J. Collins
Co-operative Education
with distinction

Brendan J. Colven

Andrew S. Csizmar

Alasdair Day
Co-operative Education

James J. Day
with distinction

Brigitte Desrochers
with high distinction

Daniel R. Droppo

Jennifer D. Edgecombe
with distinction

James Elliott
Co-operative Education
with distinction

Joshua R. Foster

Christopher Michael Francis
with distinction

Andrew A. Fratpietro
with distinction

Marcus Robert Guedo

Raymond G. Harris
B.Sc., M.Sc. (Concordia)

Simon James Hind
with distinction

Neil R. Jacobson

Bassel Mohamad Jammal
with distinction

Haitham Khayrat

Daniel Cosmin Knezevici

* André Jean Paul Létourneau

Philip Park-Hung Leung
Co-operative Education
with distinction

* Hao Lien

Christopher W. Lussier
Co-operative Education

Kristian E. Macpherson

Christie Alisa Maddock

Matthew Joel Martin
with high distinction

Katherine M^{c}Cuaig

Thomas Allen Moore

Christopher Rampersad

Janet Kathryn Ritchie
with high distinction

Peter William Roe
B.A. (Carleton)
with distinction

Erin Lynn Saunders
Co-operative Education

Udaya C. Silva
Co-operative Education

Michal P. Siorek

Jennifer Ellen Stickley
with distinction

Sairam Tharmalingam

Richard Budd Threlfall

Guillaume André Réjean Turcotte
with distinction

Steven A. Willard
with distinction

Garry W. Wilton

Terris Scott Yakimovich

Wee Pin Yap
Co-operative Education
with high distinction

* Jolene Chuk Wing Yip

Jennifer Young
with high distinction

Yun-Ming Yu

CIVIL

Bradley J. Armstrong
with high distinction

Nabeh Ateyeh

* Ankica Bulat
Concentration in Management

Gordon R. J. Eleazar

Tammy M. Head
Concentration in Management
with high distinction

Adam George Albert Marshall

Marcel Papineau
Concentration in Management

Aimée-Rose Tupaz

Jason P. Vriend
with distinction

Phaik Hoon Yew

COMMUNICATIONS

Josée M. C. Cayer
B.A. (Carleton)

Jason Kwan
with high distinction

Robert D. Maddock
with high distinction

Jennifer Anne Elizabeth Mallalieu
with distinction

Steven Ozipko

Pierre André Richard
with high distinction

Michel Léopold Sabourin
with high distinction

COMPUTER SYSTEMS

Obsa G. Abdi

Wassim Abu Zahra
B.Eng. (Damascus)

Christos-Michael Adamantidis

Thusha S. Agampodi

Anas Al-Bouchi
Minor in Business

* Motaz Aladas
M.Eng. (Carleton)
with distinction

Michael Alam
Co-operative Education
with high distinction

* Shakir Alsafi

Marvin Atabongafac Amin

Jonathan Mark Andrews

Vijayaraj Arasalingam

Neal Arthorne
with high distinction

* Bharath Arunachalam

Monique Bardawil
B.Sc. (McGill)
with high distinction

Gregory John Barker
Co-operative Education

Simon C. Beaulieu

James A. Beveridge
with high distinction

* Robert W. G. Cameron

Daniel T. G. Cardamore

June Ying Chan
with distinction

Michael Douglas Conahan

Agustine Da Silva
Co-operative Education
with high distinction

Stefan Dery
with distinction

Wafa Dourou
Nadine El-Hawary
with high distinction

Cobey Errett

Paul Faure

David A. Gibson
with high distinction

Pauline Jeya Ranjiny Gnanapiragasam

Aarti Gupta
Co-operative Education
with high distinction

Galit Hadad
with high distinction

Roozbeh Hashemiha

Toqeer Ahmad Israr
with distinction

* Christopher S. Kaplan

Shirin Khan

Lindsay Robyn Kidd
with high distinction

Daniel Wade Kilty
B.Sc. (Waterloo)
Co-operative Education

* Hari K. Kosaraju
with distinction

Nicholas M. Langlois

Steven John Lougheed

Sumit Madan
with distinction

Paul Maly

* Morombaye Kabra Mbaidjol

* Kevin McLaughlin

Martin Mroczek

Ali Jebran Naqvi

Quan Nguyen

Nicholas V. Powers

Paul R. Rajendram

Aram Salehi

Bamidele Abdulateef Saliu

Tony Turin Henderson Santhiapillai

Paul André Sawyer

Antonino Scaffidi Argentina
Co-operative Education
with high distinction

Vaseeharan Seevaratnam

Rathichelvan Shanmugalingam

Vijayakaran Shanmuganathan

Amir Akram Siddiqi
Co-operative Education
with high distinction

Thurairajah Sivanesan

Russell D. G. Sparks

Kamal Tabaja

Amit Tacker
with distinction

Gordon Tam

Christopher Gordon Taylor
Co-operative Education
with high distinction

Sivaharan Thurairasa

Khanh Tran

Peter C. Tsagaris

Krishnamoorthy Vadivelu

Tu T. Vo

Nan Wang

Tun Yong Yang
with high distinction

ELECTRICAL

Judith Aday
with high distinction

Khalid Al-Farsi
Minor in Business

Nicholas W. Ashton
Minor in Economics

* Paavan Avadhanula

Hassan K. Azzam

Umer N. Bajwa

Martin Balgavy

Darryl Joseph Bilodeau
with high distinction

Arturo Brisindi

Grzegorz M. Brzezina
with distinction

Daniel Jean-Marc Caron

Benjamin Allen Chan
with distinction

Hon-Fun Hubert Chan

Matthew John Connelly

John James Danson
Co-operative Education
with high distinction

Paramita De

* Patrick Durand
B.Comm., M.B.A. (Ottawa)
with high distinction

* Carl D. Ebsen

Brou Ehouman
B.Sc. (Trent)

Ibrahim Elhassan

* Abdelrasoul A.F. Fayad

Brian J. Ford
Co-operative Education
with high distinction

Archibald Forde

Adam Frankowski

Michael P. M. Friesen

Anita Michele Ganadry
B.Sc. (Ottawa)
with high distinction

* Anthony S. Glaser
with distinction

Claude T. Gnanapragasam

Mark Ranko Gojkovic

Leng Ha
B.Eng. (Carleton)
with distinction

Chan Hang
Co-operative Education

Pasqualina Hare
with distinction

Wissam W. H. Hassouneh

* Michael Gerald Hayes
with distinction

Michael Kenneth Hirst

Jason Patrick Hollinger

Sajjad Hussain

Richard Isaac

* Rudhwan Issa Ahmed

Nalan Kanagasabapathy

Peter Karagiannis

Victor Farhat Karam
Co-operative Education
with high distinction

Jun-Tae Kim

Nathalie Rosmarie Klaesi-Van

Stephen H. Knox
Co-operative Education
with distinction

Piotr Koziorowski

Indrajit Kunaratnam
B.Sc.(India)

Alain Lagarde
Co-operative Education
with high distinction

* Braulio Martin Lam

Chatelaine M. Lavallée

Jason D. Lavoie

Silqun Leung
Co-operative Education
with high distinction

Michael Chun Fai Lo

Sean B. Lorimer
Co-operative Education
with high distinction

Louis R. MacLeod

Michael Mariani
Co-operative Education
with high distinction

Reza Mashaie
with distinction

Megan McCarthy

Stephan Meyer

Christopher R. Micallef

Igor Miletic
with high distinction

Safaa Mohamed

Reid A. Mulligan

Sugunawathy Nagarajah

Sivakesan Navaratnam

Elie Andrew Nehme

Mark L. Nishizaki
with distinction

Nosakhare Akhigbe Ogbebor
with high distinction

Karen Oprea

* Ramesh Paskarathas

Peter Harris Robert Popplewell
with high distinction

Fadi Salah

Partap Singh Sandhu

Hina Shah

Dalia Sherif
with high distinction

Amelia Sivamyinthan
with high distinction

Kasinathan Sivaratnam

Ketsana Souksanh
Co-operative Education
with distinction

Ramenthiran Subramaniam

Camran Syed

Zoltán Szubbocsev
with distinction

Simon Tesfai

* Tai Anh Tran

Sivasanker Uttamalingam

Dragan Vulin

Sathuyaseelan Vyramuthu

John L. Whitbread

Chapman Wong

Gordon Young
B.Eng. (Carleton)

Alexandre Yunus
with distinction

Amin Zalzaleh

Kazem Ziaie
with distinction

ENVIRONMENTAL

Amir Omar Abd El Halim

Scott H. Ambridge
with high distinction

* Marc Buaquiña

Karyn Joanne Buote
with distinction

David Joseph Cotsman

Lisa Catherine Darch

Jayne Marie Deschamps
Co-operative Education
with high distinction

Maja Djuricic

Jeffrey James Gleeson
with high distinction

Stanislav G. Jary
B.Sc. (Carleton)

* Christopher R. Kalimootoo

Tasneem Khomusi
B.Sc. (Ottawa)

Tebogo Joshuar Mabote

Kevin Douglas McClintock
B.Sc. (Trent)
with distinction

Candice Rodger

Geneviève Roy
with distinction

Sean Speer
with distinction

* Syed Abdul Wasay

MECHANICAL

Kenneth Jaden Bartel

Joanne Rebecca Bell

Christopher A. Beregszaszy

Andrew Robert James Bradley
with distinction

Božica Burlica
with distinction

Stephanie Chamney
Concentration in Computer-Integrated Manufacturing

Jennifer Czaban
Concentration in Computer-Integrated Manufacturing

Robert James De Ruyter

Heather M. G. Donnelly
with distinction

Amanda Rachel Feldman
with high distinction

John M. C. Fitzgerald
with distinction

Severin Fontaine

* Rey Nerio Garcia-Salas

* Luc Gravelle
B.Eng. (Laurentian)

Derek Gruchy
Concentration in Computer-Integrated Manufacturing
with distinction

Tim J. Harold

Greg A. Hersak

James A. Hicks

Graham D. R. Hogg

* Javier Jorge
Concentration in Computer-Integrated Manufacturing

Sung-Soon Kim
Concentration in Computer-Integrated Manufacturing

Nicholas Stephen Klimowicz
Concentration in Computer-Integrated Manufacturing
with distinction

Matthew J. LeBelle
with high distinction

Erin C. MacDonald
B.Sc. (Saint Mary's)

Elizabeth Dawn Matthes

* David Graham McCormack
Concentration in Computer-Integrated Manufacturing

Michelle F. McGarrity
Concentration in Computer-Integrated Manufacturing

Brian Michels

Kevin Morrissette

Gregory Edward Northcott

Andrew John Penner
Concentration in Computer-Integrated Manufacturing

Richard Theodore Piercey
Concentration in Computer-Integrated Manufacturing

Nicholas M. Potvin

Elizabeth Pamela Robinson
Concentration in Computer-Integrated Manufacturing

Nicholas William Simpson
with distinction

Daniel David Sparling

* Anthony A. Tarczay

* Jacob G. A. van Beek
Concentration in Computer-Integrated Manufacturing

* Michael J. Wallans
Concentration in Computer-Integrated Manufacturing

Simon Philip Webster
Concentration in Computer-Integrated Manufacturing
Minor in Business

Nicholas Yu

Bachelor of Architecture

(presented by Professor Gulzar Haider, Director of the School of Architecture)

Degrees conferred at Spring Convocation are awarded by Senate in March and in June. Degrees awarded in March are denoted by an asterisk (*).

Steven D. Akers

Mohammed Al-Riffai
with high distinction

Jason P. Aylsworth

Rosa Barone
with distinction

Jean F. Brisson
with distinction

* Yuk Fan Joyce Cheng
with distinction

Annie Fung Kwan Cheung
with distinction

Alexandre P. Clermont
with distinction

Christopher L. Deimling
with distinction

Paolo P. Di Cienzo
with distinction

Erin Amy Duncan

Monika Durczak

Adrian L. Dyer
with distinction

Andrew J. Gerth
with high distinction

Darcy Dean Gluszczak
B.A. (Carleton)

Emily Ann Greenfield
with distinction

Edward Ho

Trevor Houghton
with distinction

Mark Chien-ming Huang
with distinction

Amy Elizabeth Huddleston
with distinction

* Bradley J. S. Hutt

Terra L. Kitzul
with distinction

Wing Man Derek Lau

Dale Liao
with distinction

Tuong Lloyd Lieu

Aaron Liu
with distinction

Chung Chi Julia Lou

Jason M. T. Lowe
with distinction

Marilee Virginia MacDonald

Marco Marini
with high distinction

John Raphael Miminas
with distinction

Patrick Carlin Moskwa
with distinction

Maryam Mostamandi

Tri Nguyen
with distinction

Gregory Akira Pattison
with distinction

Raphael Pereira
with distinction

Loi The Quach

Andrew Reeves

Colleen A. Revels

Sherin Rizkallah
with distinction

Roslyn Deana Ryan

Rika Tokue
with distinction

Dominique M. Tonetti

Jan Michael Veer

Patrick Wai
with distinction

Charmene Wan

Eric Chih-Ping Wang

Francis Wong
with distinction

Bachelor of Architectural Studies

(presented by Professor Gulzar Haider, Director of the School of Architecture)

Degrees conferred at Spring Convocation are awarded by Senate in March and in June. Degrees awarded in March are denoted by an asterisk (*).

Justin P. Bernard

Marion Joan Bramley

Roberto Campos
with distinction

Frank Chang

Thomas C. J. Davis

Chris Defayette

Zhao Jin Feng

Eric M. Fung

Matthew Leo Galvin
with distinction

Amanda Lee Gilbert
with distinction

Joyant Gupta

Gilnar Haj Abed

Tzu-Kai Dio Ho
with distinction

Patryk Ilendo

Keith R. Irwin

Steven E. Kenyon

Man Yee Lau

Sarah Y. Lee

Andrea Macecek

Wayne Malaka

Jonathan George Marr

Ryan Angus McLennan
with high distinction

Michael J. Miller

Katherine Movilla

Philam Nguyen

Yannick-Muriel Noah
Minor in Italian

James Daniel Rice
with high distinction

Katherine Sendrowicz

Mariam Shaker

Daniel Robert Smith

Titania Johanne Truesdale

Douglas M. van den Ham
with high distinction

Matthew A. Zess

Bachelor of Industrial Design

(presented by Associate Professor Martien de Leeuw, Director of the School of Industrial Design)

Degrees conferred at Spring Convocation are awarded by Senate in March and in June. Degrees awarded in March are denoted by an asterisk (*).

---

* Sunil Biddanda Achia

Jason F. Busschaert
Co-operative Education
with high distinction

Paul Charlebois

Ian Fung
Co-operative Education
Minor in Business

David Green

Jennie Lee Hamilton
with high distinction

Erik Benjamin Heckman
Minor in Psychology
with high distinction

Steven W. Johns

* John Andrew Kent
with distinction

Steven K. Macleod
with distinction

Kerry J. McMaster
Co-operative Education
Minor in Psychology
with high distinction

Shane Mihelic Booth

Quintin Morris
with distinction

Mark F. Saunders
with high distinction

Zuzanna Szlachcic
with high distinction

Hsiao-Ping Tsai
with distinction

Chad J. Vermeulen
B.Eng. (Carleton)
with high distinction

Katrika M. Woodcock
Minor in Business
with high distinction

Rex Fang Xu
with high distinction

Honorary Degree Recipient

Alois A. Raffler

Alois A. Raffler, Director Emeritus, Carleton University Science Technology Centre, will be awarded the degree of Master of Science, *honoris causa*, at the afternoon ceremony on Friday, June 14, "in recognition of an outstanding career as Director of the Science Technology Centre at Carleton University."

Honorary Degree Recipient

Richard M. Karp

Richard M. Karp. A.B., S.M., Ph.D., Sc.D., D.H.L., University Professor, International Computer Science Institute, University of California (Berkeley), will be awarded the degree of Doctor of Science, *honoris causa*, at the afternoon ceremony on Friday, June 14, "in recognition of outstanding research contributions ranging from theoretical computer science to DNA computing."

2002 High School Teaching Award Recipient

Guy Beaudoin, B.P.E.
St. Pius X High School
Ottawa, Ontario

The High School Teaching Awards were established to acknowledge outstanding high school teachers in Eastern Ontario who have provided their students with the influence and inspiration to excel. Teachers are nominated for the awards by Carleton University graduating-year scholarship winners who have graduated from Eastern Ontario high schools.

Order of Proceedings
Friday, June 14, 2:00 p.m.

**see next page for wording*
Chancellor Arthur Kroeger, C.C., M.A., LL.D., presiding.

(The audience is requested to stand when the Academic Procession arrives, to remain standing until 'O Canada' has been sung, and at the conclusion of the ceremony to remain until the Academic Procession has left.)

Processional Music
John Robert Coghill Jr., B.Mus. (bagpipes)
Garry Matthews (snare drum)
Craig Moffatt (bagpipes)

O Canada*
(the audience is invited to sing)

Welcome by the Master of Ceremonies
Feridun Hamdullahpur, B.Eng., M.Eng., Ph.D., P.Eng.
Vice-President (Research)

Conferring of the
Degree of Master of Science, *honoris causa*, upon
Alois A. Raffler
(presented by Donald Wiles, B.Sc., B.Ed., M.Sc., Ph.D., F.C.I.C.,
Adjunct Professor of Chemistry)

Conferring of the
Degree of Doctor of Science, *honoris causa*, upon
Richard M. Karp, A.B., S.M., Ph.D., Sc.D., D.H.L.,
(presented by Jörg-Rüdiger Sack, Vordiplom, Diplom, Ph.D.,
Professor of Computer Science and
Associate Dean (Research), Faculty of Science)

Convocation Address
Richard M. Karp

Conferring of Degrees by Examination

Warrant
Chong H. Chan, B.Sc., M.A.Sc., Ph.D., P.Eng.
Clerk of Senate

Awarding of Medals

Presentation of a High School Teaching Award to
Guy Beaudoin, B.P.E.,
(presented by Leonard T. Librande, B.A., M.A., Ph.D.,
Associate Professor of Religion and Dean of Students)

Recessional Music

**see next page for wording*

O Canada

O Canada! Our home and native land!

True patriot love in all thy sons command.

With glowing hearts we see thee rise,

The True North strong and free!

From far and wide, O Canada,

We stand on guard for thee.

God keep our land glorious and free!

O Canada, we stand on guard for thee.

O Canada, we stand on guard for thee.

Recipients of Degrees

Doctor of Philosophy

(presented by Professor A.G. Razaqpur, Associate Dean of the Faculty of Graduate Studies and Research)

Degrees conferred at Spring Convocation are awarded by Senate in March and in June. Degrees awarded in March are denoted by an asterisk (*).

*** Thomas A. Contreras**
B.Sc., M.A., M.Sc. (Central Michigan, U.S.A.)
Biology
Changes in the Abundance and Distribution of Woody Plants Related to Dispersal Mechanisms Along a Forest Cover Gradient
Supervisor: L. Fahrig

*** Dustin Shayne Hittel**
B.Sc., M.Sc. (Calgary)
Biology
The Role of Differentially Expressed Genes and Their Protein Products in the Hibernating Thirteen-Lined Ground Squirrel *Spermophilus Tridecemlineatus*
Supervisor: K. Storey

*** Kelley Joan Kissner**
B.Sc., M.Sc. (Regina)
Biology
Maternal Influences on Offspring Quality in Northern Water Snakes, *Nerodia Sipedon*
Supervisor: P. Weatherhead

*** Rupasri Mandal**
B.Sc., M.Sc., Ph.D. (Kalyani, India)
Chemistry
Competitive Binding of Metal Ions By Humic Substances In Model Systems and in Freshwaters
Supervisors: C.L. Chakrabarti and M. H. Back

*** John Murimboh**
B.Sc. (McMaster)
Chemistry
Speciation Dynamics in the Freshwater Environment: Unifying Concepts in Metal Speciation and Bioavailability
Supervisor: C.L. Chakrabarti

*** Sheryl Angela Tittlemier**
B.Sc. (Manitoba)
Chemistry
Identification and Characterization of the Environmental Chemistry, Bioaccumulation, and Toxicology of Halogenated Dimethyl Bipyrroles
Supervisor: R. Norstrom

Hassan Mirnejad
B.Sc. (Isfahan, Iran), M.Sc. (Tehran, Iran)
Earth Sciences
Isotope Geochemistry, Petrology, and Source Evaluation of the Leucite Hills Lamproites, Wyoming
Supervisor: K. Bell

Xueqing Chen
B.Sc. (ShaanXi Normal, China), M.Sc. (Beijing Normal, China)
Mathematics
Properly Stratified Endomorphism Algebras
Supervisor: V. Dlab

Benny Pinontoan
M.Sc. (Eindhoven, The Netherlands)
Mathematics
Crossing Numbers of Sequences of Graphs
Supervisor: B. Richter

*** William Pouliot**
B.A. (Simon Fraser), M.Sc. (Queen's)
Mathematics
Non-Parametric, Non-Sequential Change-Point Analysis
Supervisors: M. Csorgo and M. Mojirsheibani

*** Wasfi Ahmed Shatanawi**
B.Sc., M.Sc. (Yarmouk, Jordan)
Mathematics
Generalized Sequence Spaces and Nuclearity
Supervisor: C.K. Fong

Manuila Tausi
B.Sc. (Canterbury, New Zealand), M.App. Sc. (Royal Melbourne Institute of Technology, Australia)
Mathematics
Estimating Function Variance Estimation in Complex Surveys and Combined Classification
Supervisors: J.N.K. Rao and M. Mojirsheibani

Jason Boyd Morrison
B.Eng., B.Sc. (McMaster), M.C.S. (Carleton)
Computer Science
Geometric Placement Problems
Supervisors: P. Bose and J. Sack

Luis Gabriel Rueda
Licenciado (National University of San Juan, Argentina), M.C.S. (Carleton)
Computer Science
Advances in Data Compression and Pattern Recognition
Supervisor: J. Oommen

Norbert Ralf Zeh
M.C.S. (Friedrich-Schiller, Germany)
Computer Science
I/O-Efficient Algorithms for Shortest Path Related Problems
Supervisors: A. Maheshwari and J. Sack

Master of Science

(presented by Professor A.G. Razaqpur, Associate Dean of the Faculty of Graduate Studies and Research)

Degrees conferred at Spring Convocation are awarded by Senate in March and in June. Degrees awarded in March are denoted by an asterisk (*).

---

* Erik Allan Klingbeil
B.Sc. (Carleton)
Biology
The Effects of Forest Cover and Road Density on Wetland Insect Species Richness in Eastern Ontario

* Melissa Dionne Vance
B.Sc. (Concordia)
Biology
Relationship Between Minimum Habitat Requirements and Annual Reproductive Rates in Forest Breeding Birds

Derek James Hodgson
B.Sc. (Carleton)
Chemistry
Biotechnology of Chiral Sulfoxyphospholipid Production: A Feasibility Study

* Estatira Sepehr
B.Sc. (Carleton)
Chemistry
Specialization in Chemical and Environmental Toxicology Effect of Fermentation on Folate Biovailability

Christopher Craig Rogers
B.Sc. (Carleton)
Earth Sciences
Geological Setting of the Kemess South Cu-Au Porphyry Deposit, British Columbia

* Jun Chen
B.Sc. (Nanjing, China)
Information and Systems Science
Tool Support for the Transition from Use Case Maps to Message Sequence Charts

* Shib Shankar Das
B.Sc.Eng. (Bangladesh University of Engineering and Technology, Bangladesh)
Information and Systems Science

Kai Deng
B.Sc. (Tongji, China), M.Sc. (Hunan, China), Ph.D. (Carleton)
Information and Systems Science

* Songqing Feng
B.Eng. (Southeast, China)
Information and Systems Science

* Huan Gao
B.Sc. (Liaoning, China), M.Sc. (Changchun Institute of Applied Chemistry, China)
Information and Systems Science

Hua Guo
B.Eng. (Tianjin, China), B.Sc. (Carleton)
Information and Systems Science
Partitioning Planar Graphs with Costs and Weights

Jianxue Huang
B.Sc. (Wuhan Technical, China), M.A. (Carleton)
Information and Systems Science
Performance Analysis of L2TP Tunneling Through Simulation

Wu Huang
B.Eng., M.Sc. (Chuang Chun Institute of Optical and Fine Mechanics, China)
Information and Systems Science

Ying Huang
B.Eng., M.Eng. (Huazhong University of Science and Technology, China)
Information and Systems Science

Doaa Ibrahim-Swailum
B.Eng. (Cairo, Egypt)
Information and Systems Science

* Fengfu Li
B.Sc. (Heilongjiang, China), Ph.D. (Changchun Institute of Applied Chemistry, China)
Information and Systems Science

Jiahua Li
B.Sc. (Sichuan, China), M.Sc. (Calgary)
Information and Systems Science

* Kaiyuan Li
B.Sc. (Shanxi Agriculture, China), M.Sc., Ph.D. (Chinese Academy of Science, China)
Information and Systems Science

* Zuoyuan Liang
B.Eng. (Tongji, China), M.Sc. (Institute of Rock and Soil Mechanics, China)
Information and Systems Science

* Jane Liu
B.Sc. (Xingjiang, China), Diploma (Peking, China), M.Sc. (Manitoba)
Information and Systems Science
Mobile Map: A Case Study in the Design and Implementation of a Mobile Application

* Lei Liu
Dip. (Xiangyang Teacher's College, China), M.Sc. (Shandong Teacher's University, China)
Information and Systems Science

* Shuxue Liu
B.Eng., M.Eng. (Science and Technology, China)
Information and Systems Science

Weihong Long
B.Sc. (South China University of Technology, China)
Information and Systems Science

Jiahong Miao
B.Sc. (Nanjing Railway Medical College, China), Ph.D. (Peking Union Medical College, China)
Information and Systems Science

* Dong Ouyang
B. Eng. (Beijing Polytechnical, China)
Information and Systems Science

* Xiaonong Pu
B.Sc. (Sichuan Normal, China), M.Sc. (Guelph)
Information and Systems Science

Zhiyuan Qiao
B.Eng., M.Eng. (Science and Technology, China)
Information and Systems Science

Hui Shen
B.Eng. (Central South University of Technology, China)
Information and Systems Science
XMI-based Transformation from UML Models to LQN Performance Models

Su Shi
B.Eng. (Beijing University of Aeronautics and Astronautics, China)
Information and Systems Science

Sharmin Siddique
B.Arch. (Bangladesh University of Engineering and Technology, Bangladesh)
Information and Systems Science

Zubaer Siddique
B.Sc. (Bangladesh University of Engineering and Technology, Bangladesh)
Information and Systems Science

Andrew Zhizhong Song
B.Sc., M.Sc., Ph.D. (Lanzhou, China)
Information and Systems Science

* Fei Ru Tan
B.Med. (Guangzhou Medical College, China)
Information and Systems Science

* Maoyu Wang
B.Eng., M.Eng. (Chengdu University of Science and Technology, China)
Information and Systems Science
Implementation and Performance Evaluation of Route Optimization in Mobile IP

Qiang Wang
B.Sc., M.Sc. (ShaanXi Normal, China), Ph.D. (Memorial)
Information and Systems Science

* Wenqing Wang
B.Sc. (Lanzhou, China)
Information and Systems Science

* Shixin Wei
B.Sc. (Hebei Geological College, China), M.Sc. (Central Coal Mining Research Institute, China)
Information and Systems Science
Performance Evaluation of Filter Bank Algorithms in Image Compression

* Eric Chen Wong
B.Sc. (South China University of Technology, China)
Information and Systems Science
XMI-based Transformation of UML Interaction Diagrams to Activity Diagrams

* Andrew Mark Wykurz
B.Eng. (Royal Military College)
Information and Systems Science
Evaluation of Camera Calibration Performance With a Computer Based Camera Model

Jun Zhang
B.Sc. (Yunnan, China)
Information and Systems Science

Yan Zhang
B.Sc. (Nankai, China), M.Sc. (National University of Singapore, Singapore)
Information and Systems Science

* Lichun Zhu
B.Sc., M.Eng. (Chengdu Institute of Technology, China), M.Sc. (Windsor)
Information and Systems Science

* Carey Feagan
B.Sc. (Trent)
Physics
Specialization in Medical Physics
A Study of the Role of p12/WAF1/CIP1 in Thermal Radiosensitization

* Matthew Peter Wismayer
B.Sc. (York)
Physics
Specialization in Medical Physics
Measurement of the Amorphous Coherent Scatter Form Factor By Using an X-Ray Powder Diffractometer

Master of Computer Science

(presented by Professor A.G. Razaqpur, Associate Dean of the Faculty of Graduate Studies and Research)

Degrees conferred at Spring Convocation are awarded by Senate in March and in June. Degrees awarded in March are denoted by an asterisk (*).

Ivan Jose Araujo
Ingenieros en Informatica (Centro Occidental "Lisandro Alvarado," Venezuela)
A Design Process Based on Patterns and Non-Functional Requirements

Ronald Francis Arnold
B.Sc. (Ottawa)
The Power 2 Ring Loading Problem

Tien Van Dao
B.C.S. (Carleton)

Fangming Jiang
B.Sc., M.Sc. (Wuhan, China)

Jenny Yuen Sze Leung
B.C.Sc. (Manitoba)
The Display, Comparison, and Registration of Surfaces in Range Data Format

* Ping Li
B.C.S. (Northwest Normal, China)
QoS-Enabled E-Commerce Web Application

Shahzad Alam Malik
B.C.S. (Carleton)
Robust Registration of Virtual Objects for Real-Time Augmented Reality

James Edward Moody
B.C.S. (Acadia)
Determining Pattern Applicability Using Non-Functional Requirements

* G. Ian Nunn
B.C.S. (Carleton)
Runtime Composition of Software Components Using an XML Architecture Definition Metalanguage

Jing Wang
B.Sc. (Zhejiang, China)

* Ying Wang
B.Sc. (Northwest, China)

David Whyte
B.C.S. (Technical University of Nova Scotia), B.Comm. (St. Mary's)
A Strategy for Defending Against Distributed Denial of Service Attacks

Bachelor of Science (with Honours)

(presented by Professor P.J.S. Watson, Dean of the Faculty of Science, assisted by representatives of Departments)

Degrees conferred at Spring Convocation are awarded by Senate in March and in June. Degrees awarded in March are denoted by an asterisk (*).

BIOCHEMISTRY

Joseph Jacques Daniel Blouin
High Honours in Biochemistry

* Susan R. D. de Jong
B.A. (Carleton)
Highest Honours in Biochemistry

Jennifer Jane Furlong
Highest Honours in Biochemistry

BIOLOGY

Harmony Monica Church
Honours in Biology
Minor in Geography: Resource and Environmental Assessment

Natalie June Ducharme
Highest Honours in Biology

Lukasz Johaniuk
Honours in Biology

Dina Lama
Honours in Biology

Excedera L. St. Louis
High Honours in Biology

* Christopher Lawrence Stewart
B.Sc. (Carleton)
Highest Honours in Biology

Justin Thomas
Highest Honours in Biology

Lee E. Timms
High Honours in Biology

Andrea Lynn White
Honours in Biology

Amanda J. Woodhouse
Highest Honours in Biology
Co-operative Education

CHEMISTRY

Owen James Clarkin
Highest Honours in Chemistry
Minor in Mathematics

Barbara Roberta Gauthier
Highest Honours in Chemistry

Tara A. Nevins
High Honours in Chemistry

Richard J. J. Verver
Highest Honours in Chemistry
Minor in Mathematics

COMPUTATIONAL CHEMISTRY

Joel M. Fenner
Honours in Computational Chemistry

ENVIRONMENTAL SCIENCE

Malgorzata Ciemiecka
Honours in Environmental Science

Erinn L. Cummins
Honours in Environmental Science
Concentration in Biology

Robert Valdis Galdins
High Honours in Environmental Science

Jamie Lyn M. Genereux
B.Sc. (Carleton)
Honours in Environmental Science

Candace Lee Stryker
Highest Honours in Environmental Science

GEOGRAPHY

Eric R. Roberts
Honours in Geography

Julie Slow
B.Sc. (Carleton)
High Honours in Geography

GEOLOGY

Raymond Patrick Casey
Highest Honours in Geology
Minor in Business

Elizabeth Anne Cornejo
High Honours in Geology

* Margaret L. Currie
Honours in Geology

David Andrew Guedo
High Honours in Geology

Annetta Markussen-Brown
Highest Honours in Geology

Julie Prytulak
Highest Honours in Geology

Brent L. D. Sharpe
Honours in Geology

Leslie Anne Taylor
Honours in Geology

INTEGRATED SCIENCE STUDIES

Eftyhia Helis
B.Sc. (Carleton)
Honours in Integrated Science Studies

Margaret Loniewska
High Honours in Integrated Science Studies

Jonathan Michael Plett
Highest Honours in Integrated Science Studies

Sarah Malinah Brika Steinberg
Highest Honours in Integrated Science Studies

COMPUTER MATHEMATICS

Francois Pouliot
High Honours in Computer Mathematics

COMPUTER MATHEMATICS: INFORMATION TECHNOLOGY

Shahin Mohajeri
B.S.S. (Ottawa)
Honours in Computer Mathematics: Information Technology

Hai Nghiem
Highest Honours in Computer Mathematics: Information Technology
Co-operative Education

Mitra Yaghini
Honours in Computer Mathematics: Information Technology

MATHEMATICS

Zana Omazic
Highest Honours in Mathematics

OPERATIONS RESEARCH

* Angela E. Pinchero
High Honours in Operations Research

APPLIED PHYSICS

Neil Barnaby
Highest Honours in Applied Physics
Minor in Mathematics

PHYSICS

Tatiana Ouvarova
Honours in Physics
Co-operative Education

PSYCHOLOGY

Ramona Eryuzlu
Honours in Psychology

Sophia G. Ginis
Highest Honours in Psychology

Consuela Pora
Honours in Psychology
Minor in Spanish

Jennifer Lea Shaw
Highest Honours in Psychology

Lisa Marise Williams
Highest Honours in Psychology

BIOCHEMISTRY AND BIOTECHNOLOGY

Michelle Bamji
High Honours in Biochemistry and Biotechnology

Natalie Anne Clavel
Highest Honours in Biochemistry and Biotechnology

Elissa L. Cucan
Highest Honours in Biochemistry and Biotechnology

Margaret Czesak
Honours in Biochemistry and Biotechnology

* Peter A. Halchuk
Honours in Biochemistry and Biotechnology

Elissia Colinette Hillier
Honours in Biochemistry and Biotechnology

Stephanie Anne Marie Pereira
High Honours in Biochemistry and Biotechnology

Christopher Jerome Ramnanan
Highest Honours in Biochemistry and Biotechnology

* Marc D. Rigden
High Honours in Biochemistry and Biotechnology
Co-operative Education

Sormeh Sarkesh
Honours in Biochemistry and Biotechnology

Laura M. Visentin
Highest Honours in Biochemistry and Biotechnology

BIOLOGY AND BIOTECHNOLOGY

* Karen Ann Heffernan
Honours in Biology and Biotechnology

Stephen Michael MacKinnon
High Honours in Biology and Biotechnology

Lisa Marie McDonnell
High Honours in Biology and Biotechnology

Ryan McKenzie
Highest Honours in Biology and Biotechnology

Randy J. McPhee
High Honours in Biology and Biotechnology

* Robert Posteraro
High Honours in Biology and Biotechnology

Tahnya Fatima Rizvi
Honours in Biology and Biotechnology

Melissa Louise St. Denis
High Honours in Biology and Biotechnology

NEUROSCIENCE

* Hasan Ahmad
Honours in Neuroscience

Mark John Bonta
Highest Honours in Neuroscience

Sonya Brzozowski
Honours in Neuroscience

Carys Alana Carrington
Honours in Neuroscience

James Edward Cooke
Honours in Neuroscience

Mary Kathleen Elizabeth Haché
Highest Honours in Neuroscience

Tim Ing
Honours in Neuroscience

Mahareen Karim
Honours in Neuroscience

Jason Makinen
Honours in Neuroscience

Keri Suzanne Taylor
High Honours in Neuroscience

COMPUTER SCIENCE AND MATHEMATICS

C. Elliott Belbin
Honours in Computer Science and Mathematics
Specialization in Computing Theory and Numerical Methods

Tsige F. Kibret
High Honours in Computer Science and Mathematics
Specialization in Computing Theory and Numerical Methods

Barbara Anna Mystkowska
Highest Honours in Computer Science and Mathematics
Specialization in Computing Theory and Numerical Methods

Bachelor of Science

(presented by Professor P.J.S. Watson, Dean of the Faculty of Science, assisted by Professor Leslie Copley, Director of the College of Natural Sciences)

Degrees conferred at Spring Convocation are awarded by Senate in March and in June. Degrees awarded in March are denoted by an asterisk (*).

BIOCHEMISTRY

Suranika Dias
Biochemistry

* Ayan Haji Egeh
Biochemistry

Petra Haller
Biochemistry

Nicole Angela Halley
Biochemistry
Minor in Psychology

* Natalie Shannon Leury
Biochemistry

* Paul O. MacLaren
Biochemistry

Sharon A. Nunes
Biochemistry
Minor in Psychology

* Premamalini Rajadurai
Biochemistry

* Sebastian Wiewiora
Biochemistry

BIOLOGY

* Patrick Begin
Biology

Haley Blanchette
Biology

Elizabeth M. Brownrigg
Biology

* Heather Elizabeth Corbett
Biology
Minor in Geography

* Angela Marjorie Crawford
Biology

* Shaeney Lyn Cybulski
Biology

Andrea Marie English
Biology

* Jessica Guerrero
Biology

Marcia L. Howard
Biology
Minor in Psychology

Sinthuja Jeyachandran
Biology
Minor in Mathematics

Suhail A. Khan
Biology

* Miranda A. Maddex
Biology

John William McDougall
Biology

* Averleigh Milks
Biology
Minor in Psychology

Brandon James Partridge
Biology

* Denis K. Su
Biology

Dinah S. Ting
B.A. (Carleton)
Biology

Stephanie Van Ryswyk
Biology

Elizabeth Jane Wilson
B.A. (Carleton)
Biology

CHEMISTRY

Isabelle D. Gélinas
Chemistry
with distinction

Linda Jean Gordon
Chemistry

Phillip John Leja
Chemistry

COMPUTATIONAL CHEMISTRY

* Mustafizur Rahman
Computational Chemistry

GEOLOGY

Joel J. French
Geology
Minor in Geography

INTEGRATED SCIENCE STUDIES

Sylvester Roshan Antonipillai
Integrated Science Studies

Aysha Barakat
Integrated Science Studies
Minor in Business

* James J. Cameron
Integrated Science Studies
Minor in Business

* Michèle Hobbs
Integrated Science Studies

Erica Peacock
Integrated Science Studies

Miranda Nicole Phelan
Integrated Science Studies

James A. Rodger
Integrated Science Studies

* Nishanthiny Tharmarajah
Integrated Science Studies
Minor in Mathematics

Dave Williams
B.A. (Carleton)
Integrated Science Studies

COMPUTER MATHEMATICS

Catherine Y. Chang
Computer Mathematics

Volodimir Jakhimets
Computer Mathematics

* Wing Shing Anderson Miu
Computer Mathematics

* Johnny Muhuntharaj
Computer Mathematics

Thaminda Perera
Computer Mathematics

James H. Rule
Computer Mathematics

* Shandramohan Sandirasegaram
Computer Mathematics

MATHEMATICS

Adrian Peter Takach
Mathematics

PHYSICS

Samantha Holbrook
Physics

Bachelor of Mathematics (with Honours)

(presented by Professor C.W.L.Garner, Director of the School of Mathematics and Statistics)

Degrees conferred at Spring Convocation are awarded by Senate in March and in June. Degrees awarded in March are denoted by an asterisk (*).

COMPUTER MATHEMATICS: INFORMATION TECHNOLOGY

Gerald K. P. Boamah
with Honours
Minor in Psychology

Mohamed Farah
with Honours

Siu Shing Alex Fung
with Honours
Minor in Computer Science

Maza Nerai
with Honours

Dominique J. Roy
B.Sc. (Carleton)
Highest Honours

Pragalathan Selvaratnam
with Honours

* Seung-Hyun Seu
Highest Honours

* Abdul Rahman Yassinzada
with Honours

COMPUTER SCIENCE AND MATHEMATICS

Jason St. Aubyn Simpson
B.Math. (Carleton)
with Honours
Specialization in Computing Theory and Numerical Methods

Bachelor of Mathematics

(presented by Professor C.W.L.Garner, Director of the School of Mathematics and Statistics)

Degrees conferred at Spring Convocation are awarded by Senate in March and in June. Degrees awarded in March are denoted by an asterisk (*).

COMPUTER MATHEMATICS

J. I. Ahmon
Computer Mathematics

Mohammed Abdi Bahdoon
Computer Mathematics

Louis Chartrand
Computer Mathematics

* Michael Demers
Computer Mathematics

* Aleksandra Dukic
Computer Mathematics

Sairah Fazil
Computer Mathematics
Minor in Business

* Samer Forzley
B.A. (Carleton)
Computer Mathematics

Yasuhiro Kawai
Computer Mathematics

* Kamel Kazan
Computer Mathematics

* Garry Kessler
B.Sc. (McGill)
Computer Mathematics

Alan Leung
Computer Mathematics

Amina Mohamed
Computer Mathematics

Shahram Rashti
Computer Mathematics

* Abu Alpha Samu
Computer Mathematics

Prabaraj Selvarajah
Computer Mathematics

Him-Yik Tam
Computer Mathematics

Albin J. H. Wu
Computer Mathematics

MATHEMATICS

Dana Al-Awqati
Mathematics

Ann Berry
Mathematics
Minor in Geography

Mark Tanczyk Blenkinsop
Mathematics
Minor in Russian
with distinction

Elyse M. Ford
Mathematics

Kumpesan Ganeshan
Mathematics

Rafi Khan
Mathematics
Minor in French

Heather Catherine Leaman
Mathematics
Minor in Sociology
with distinction

Robert E. Meloche
M.A. (Ottawa)
Mathematics
with distinction

* Aroba Mohsen
Mathematics

Tricia Poulin
Mathematics

Thadchaiyni Rajaratnam
Mathematics

* Giles Rodriques
Mathematics

Michael S. Warbanski
Mathematics
Minor in Economics
with distinction

* Michael R. Wetzel
Mathematics

Vinay R. Kumar
Mathematics
Specialization in Applied Analysis
with distinction

STATISTICS

Lindsay Blow
Statistics
Minor in Psychology
with distinction

Roda Dualeh
Statistics

David Charles Matthew Farmilo
Statistics

Fitzroy R. Jacobs
Statistics
Minor in Business

Lesley Levesque
Statistics

Matthew E. W. Morash
Statistics

* Peter Owynne Timusk
Statistics

Bachelor of Computer Science (with Honours)

(presented by Professor Douglas Howe, Associate Director of the School of Computer Science)

Degrees conferred at Spring Convocation are awarded by Senate in March and in June. Degrees awarded in March are denoted by an asterisk (*).

Abdullah Alenezi
High Honours

Alnoor Allidina
Highest Honours
Co-operative Education
Minor in Music

David Robert Arnold
Highest Honours

Adriaan Blaauw
with Honours

Genevieve Katherine Marie Bolduc
Highest Honours
Co-operative Education
Minor in Mathematics

Alastair Latham Brockwell
Highest Honours
Co-operative Education

Rox Ann Broughton
B.Comm. (Calgary)
Highest Honours

Julie L. Buckwald
with Honours
Minor in Mathematics

Gregory J. Cameron
Highest Honours
Minor in Mathematics

Gregory R. Campbell
Highest Honours

John Cheriyan
High Honours
Co-operative Education
Minor in Mathematics

Stephen Clark
with Honours

Daniel R. Cobban
with Honours
Minor in Mathematics

Trevor A. Crljenko
B.A. (Toronto)
High Honours

David Mark B. Cutler
with Honours

Raymond Dang
with Honours
Minor in Mathematics

Delan Angelo De Silva
High Honours

* Damien Gabriel Dery
Highest Honours
Co-operative Education
Minor in Mathematics

Wayne Diu
Highest Honours
Co-operative Education

* Duc Duy Do
with Honours
Minor in Mathematics

John T. Duffy
with Honours
Minor in Mathematics

* Simei Fei
B.Eng. (Tongji University, China)
Highest Honours

Eric Gervais
Highest Honours
Co-operative Education
Minor in Mathematics

Peter A. Goring
Highest Honours
Co-operative Education

* Jonathan B. Harris
Highest Honours
Minor in Mathematics

Amanda Harvey
with Honours

Holly Marie Hill
with Honours
Minor in Mathematics

Gavin A. Hinchley
Highest Honours
Co-operative Education
Minor in Mathematics

Aihong Hu
B. Agronomy (Southwest Agric., China)
with Honours

* Fangbin Huang
B.Eng. (Beijing Agri. Eng. Univ., China)
Highest Honours

* Kim Kieu.Huynh
with Honours
Minor in Mathematics

Xiaohong Ji
B.A. (Shanxi Teachers Univ., China)
Highest Honours
Co-operative Education
Minor in Mathematics

Ayla Y. Khan
B.Sc. (Ottawa)
High Honours
Minor in Mathematics

Michael H. Klumpenaar
with Honours

Adam Krawesky
with Honours
Co-operative Education

Jason Michael Krottner
with Honours
Minor in Mathematics

* Kwok-Fai David Kwan
with Honours

Thomas Albert Lachapelle
High Honours
Co-operative Education

* Thu Lien Le
M.D. (Med. and Pharmacy of Ho Chi Minh City, Vietnam)
with Honours

Terry James Leigh
with Honours
Minor in Mathematics

Hua Li
Highest Honours
Co-operative Education
Minor in Mathematics

Daniel Robert Linton
with Honours
Minor in Economics

Tyler James Lockman
Highest Honours
Co-operative Education
Minor in Mathematics

James Maeng
High Honours
Minor in Mathematics

* Thomas P. Maloley
with Honours

* Perry Manashe
with Honours

Daniel Mares
with Honours
Minor in Mathematics

* Tvrtko Martincevic
Highest Honours
Co-operative Education
Minor in Mathematics

* Andrew S. McCormack
Highest Honours

Stephen Andrew McRitchie
Highest Honours
Co-operative Education
Minor in Philosophy

Nathan Medema
Highest Honours
Co-operative Education
Minor in Mathematics

Darin A. Mellway
High Honours
Co-operative Education
Minor in Mathematics

Eric M. Milani
with Honours
Co-operative Education

* Valentine Murzenok
High Honours

Amanpreet Nanner
Highest Honours
Co-operative Education
Minor in Mathematics

* Jeremy Andrew Norris
with Honours
Minor in Mathematics

* Han-Yuen Ong
B.Sc. (Carleton)
High Honours

* Hai Q. Pham
Highest Honours
Co-operative Education

Thanh Pham
with Honours
Minor in Mathematics

Lisa Phan
with Honours
Minor in Psychology

James Puderer
with Honours
Minor in Mathematics

* Hongxuan Qian
with Honours

Anne Marie Rickert
with Honours

Christopher P. Robertson
with Honours

Ronit Roy
with Honours
Co-operative Education
Minor in Business

Greg R. Sarsons
with Honours
Minor in Mathematics

Scott William Seaby
High Honours
Minor in Business

Sunir Shah
Highest Honours
Co-operative Education
Minor in Mathematics

Yan N. Shein
Highest Honours
Minor in Mathematics

Wahid Mohammed Siddiqi
with Honours
Minor in Business

* Amarbir Singh
High Honours

Daniel James Stark
with Honours

Scott Syme
with Honours
Minor in Business

* Derek M. Tam
with Honours
Co-operative Education

Wesley W. J. Tam
with Honours
Minor in Mathematics

* Solomon Temelso
with Honours
Minor in Mathematics

Andrew William Tytula
Highest Honours
Co-operative Education

José Roman Velasquez
with Honours
Minor in Business

* David Scott Vennor
with Honours

Guoming Wei
Highest Honours

* Liying Wei
B.Sc. (Northwest China Tex. Eng. Polytechnic, China)
Highest Honours

Paul Worona
High Honours

* Hui Xu
with Honours

Ting Song Ye
High Honours
Minor in Business

Marko Zatowkaniuk
High Honours

Medallists in the Graduating Class

The Governor General's Medal – Bachelor's Level
Awarded annually to the student standing at the head of the graduating class at the bachelor's level.
Donor: Her Excellency the Governor General of Canada

Maryann Freda Joseph
Bachelor of Arts
Honours Psychology

The Chancellor's Medal
Awarded annually in the name of the Chancellor of the University to a graduating student of outstanding academic achievement.

Richard J.J. Verver
Bachelor of Science
Honours Chemistry

The President's Medal
Awarded annually in the name of the President of the University to the student with the highest standing in a general degree program of studies.

Robert E. Meloche
Bachelor of Mathematics

University Medal for Outstanding Graduate Work – Ph.D. Level
Awarded, when merited, for outstanding graduate work at the doctoral level.

Shawn Paul Hayley
Psychology

University Medal for Outstanding Graduate Work – Master's Level
Awarded, when merited, for outstanding graduate work at the master's level.

Shahzad Alam Malik
Computer Science

University Medals (Undergraduate)
Awarded annually, when merited, to the graduating students standing highest in architecture, architectural studies, arts, commerce, computer science, engineering, humanities, industrial design, interfaculty studies, international business, journalism, mathematics, music, public administration, science, and social work.

University Medal in Interfaculty Studies
Khalil El-Koura
Honours Cognitive Science

University Medal in Arts
Tania A. Woloshyn
Honours Art History

University Medal in Arts
Kim Lehrer
Honours Economics

University Medal in Science
Zana Omazic
Honours Mathematics

University Medal in Mathematics
Michael S. Warbanski

University Medal in Computer Science
Gregory R. Campbell

University Medal in Commerce
Phuong Truong

University Medal in International Business
Andrew Sinclair Price

University Medal in Journalism
Erin Elizabeth Dann

University Medal in Engineering
Jennifer Young

University Medal in Architectural Studies
Douglas M. van den Ham

University Medal in Industrial Design
Kerry J. McMaster

University Medal in Humanities
A. Kristofer Liljefors

University Medal in Humanities
Rajam Raghunathan

Senate Medals
Awarded, when merited, to graduating students of outstanding academic achievement.

Doctoral Level

Norbert Ralf Zeh
Computer Science

Joanne Kelly Pagani
Civil Engineering

Christopher George Petrusic
History

Master's Level

Melissa Dionne Vance
Master of Science
Biology

Koralai Kirabaeva
Master of Arts
Economics

Cory Jason Hamelin
Master of Applied Science
Materials

James William Larwill
Master of Arts
English

Eric Gervais
Bachelor of Computer Science

Aarti Gupta
Bachelor of Engineering
Computer Systems

Sunir Shah
Bachelor of Computer Science

Natalie Anne Clavel
Bachelor of Science
Honours Biochemistry and Biotechnology

Peter Harris Robert Popplewell
Bachelor of Engineering
Electrical

Victor Farhat Karam
Bachelor of Engineering
Electrical

Alnoor Allidina
Bachelor of Computer Science

Justin Thomas
Bachelor of Science
Honours Biology

Tyler James Lockman
Bachelor of Computer Science

Amanpreet Nanner
Bachelor of Computer Science

Susan R.D. de Jong
Bachelor of Science
Honours Biochemistry

Stephanie Anne Marie Toner
Bachelor of Arts
Honours Criminology and Psychology

Tun Yong Yang
Bachelor of Engineering
Computer Systems

Marc W. Matheson
Bachelor of Arts
Honours Political Science

Stephen F.A. Peltz
Bachelor of Arts
Honours Law

Barbara Roberta Gauthier
Bachelor of Science
Honours Chemistry

Julie L. Bélanger
Bachelor of Arts
Honours Anthropology

Anita Michele Ganadry
Bachelor of Engineering
Electrical

Mark John Bonta
Bachelor of Science
Honours Neuroscience

Timothy Lloyd Brownlee
Bachelor of Humanities

Mark Andrew Sentesy
Bachelor of Humanities

Tonia Tam Von Burg
Bachelor of Arts
Psychology

Stephen Andrew McRitchie
Bachelor of Computer Science

Dalia Sherif
Bachelor of Engineering
Electrical

Jennifer Ann Polk
Bachelor of Arts
Honours European and Russian Studies

Elissa L. Cucan
Bachelor of Science
Honours Biochemistry and Biotechnology

John James Danson
Bachelor of Engineering
Electrical

Glenn D. Clifton
Bachelor of Humanities

Carol Elizabeth Holt
Bachelor of Arts
Honours English

Judith Aday
Bachelor of Engineering
Electrical

Vinay R. Kumar
Bachelor of Mathematics

Krista L. Jones
Bachelor of Arts
Honours Criminology

Jonathan Michael Plett
Bachelor of Science
Honours Integrated Science Studies

Crista Ann Poole
Bachelor of Commerce

Xiaohong Ji
Bachelor of Computer Science

Christopher Jerome Ramnanan
Bachelor of Science
Honours Biochemistry and Biotechnology

Isabelle D. Gélinas
Bachelor of Science
Chemistry

Tanya Dawn Rafuse
Bachelor of Arts
English

Natalie Tsan
Bachelor of International Business

Michel Léopold Sabourin
Bachelor of Engineering
Communications

Owen James Clarkin
Bachelor of Science
Honours Chemistry

Tvrtko Martincevic
Bachelor of Computer Science

Josipa Gordana Petrunic
Bachelor of Journalism
Political Science

Annie Yessine
Bachelor of Arts
Honours Criminology

Nathan Medema
Bachelor of Computer Science

James Alexander Overton
Bachelor of Humanities

Nicole Simone M^{c}Cance
Bachelor of Arts
Criminology

Brian J. Ford
Bachelor of Engineering
Electrical

Laura M. Visentin
Bachelor of Science
Honours Biochemistry and Biotechnology

Kuluk G. Gamble
Bachelor of Arts
English

Michael Alam
Bachelor of Engineering
Computer Systems

Krista Jane Wardley
Bachelor of Arts
Psychology

Stephanie Louise Macdonald
Bachelor of Arts
Honours English and Psychology

Christopher Gordon Taylor
Bachelor of Engineering
Computer Systems

Patricia Barbara Hoo
Bachelor of International Business

Christy Smith
Bachelor of Arts
Law

Andrew S. McCormack
Bachelor of Computer Science

Nosakhare Akhigbe Ogbebor
Bachelor of Engineering
Electrical

Susan Jane Guirey-Pierce
Bachelor of Arts
Psychology

Peter A. Goring
Bachelor of Computer Science

Robb Martin Gilbert
Bachelor of Arts
Honours Religion

Ly S. Tan
Bachelor of Commerce

Michael Brady Munnik
Bachelor of Journalism
English

Patricia Jane Newton
Bachelor of Arts
Honours Psychology

Neil Barnaby
Bachelor of Science
Honours Applied Physics

Parul Shah
Bachelor of Humanities

Megan Dawn Wallace
Bachelor of Arts
Sociology/Anthropology

Sean B. Lorimer
Bachelor of Engineering
Electrical

Jennifer Elizabeth Ross
Bachelor of Journalism

James A. Beveridge
Bachelor of Engineering
Computer Systems

Emma Rebecca Johnson
Bachelor of Arts
Honours Linguistics

Alastair Latham Brockwell
Bachelor of Computer Science

Jonathan William Norton
Bachelor of Arts
Honours Film Studies and Mass Communication

Ruth A. Sullivan
Bachelor of Arts
Honours Psychology

Saleema Nawaz
Bachelor of Humanities

Szandra Bereczky
Bachelor of International Business

Pei-Ju Wang
Bachelor of Commerce

Megan Louise Robb
Bachelor of Commerce

Gina Monique Fourny
Bachelor of Arts
Honours Psychology

Sarah Malinah Brika Steinberg
Bachelor of Science
Honours Integrated Science Studies

Brigitte Desrochers
Bachelor of Engineering
Aerospace

Barbara Anita Brunzell
Bachelor of Journalism

Yan N. Shein
Bachelor of Computer Science

Helen Marie Cleasby
Bachelor of Arts
Honours English

CP123

The following awards were made by Senate after publication of the 2001 Fall Convocation program.

Bachelor of Arts (with Honours)

Ericka Dahan
Criminology
Concentration in Sociology

Jennifer Taylor
Law
Minor in History

Bachelor of Arts

Michael Lane
Criminology
Concentration in Psychology

Loyda Millan
Law

Murray Ferris Smith
Sociology/Anthropology

Gombek Yai
Law/Philosophy